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(54) Title: METHOD FOR THE PREPARATION OF HIGH SURFACE AREA METAL FLUORIDES

(57) Abstract: The present invention is related to a method for preparing an amorphous metal fluoride of the formula $M^{x+}F_{x-\delta}$ comprising the steps of a) providing a precursor, whereby the precursor comprises a structure having a formula of $M^{x+}F_{x-\delta}$, B_y ; and b) reacting the precursor with a fluorinating agent generating the amorphous metal fluoride having a formula of $M^{x+}F_{x-\delta}$, whereby M is selected from the group comprising metals of the second, third and fourth main group and any subgroup of the periodic table, B is a coordinately bound group; x is any integer of 2 or 3; y is any integer between 1 and 3; δ is 0 to 0.1; and $x-\delta > y$.

WO 2004/060806 A1